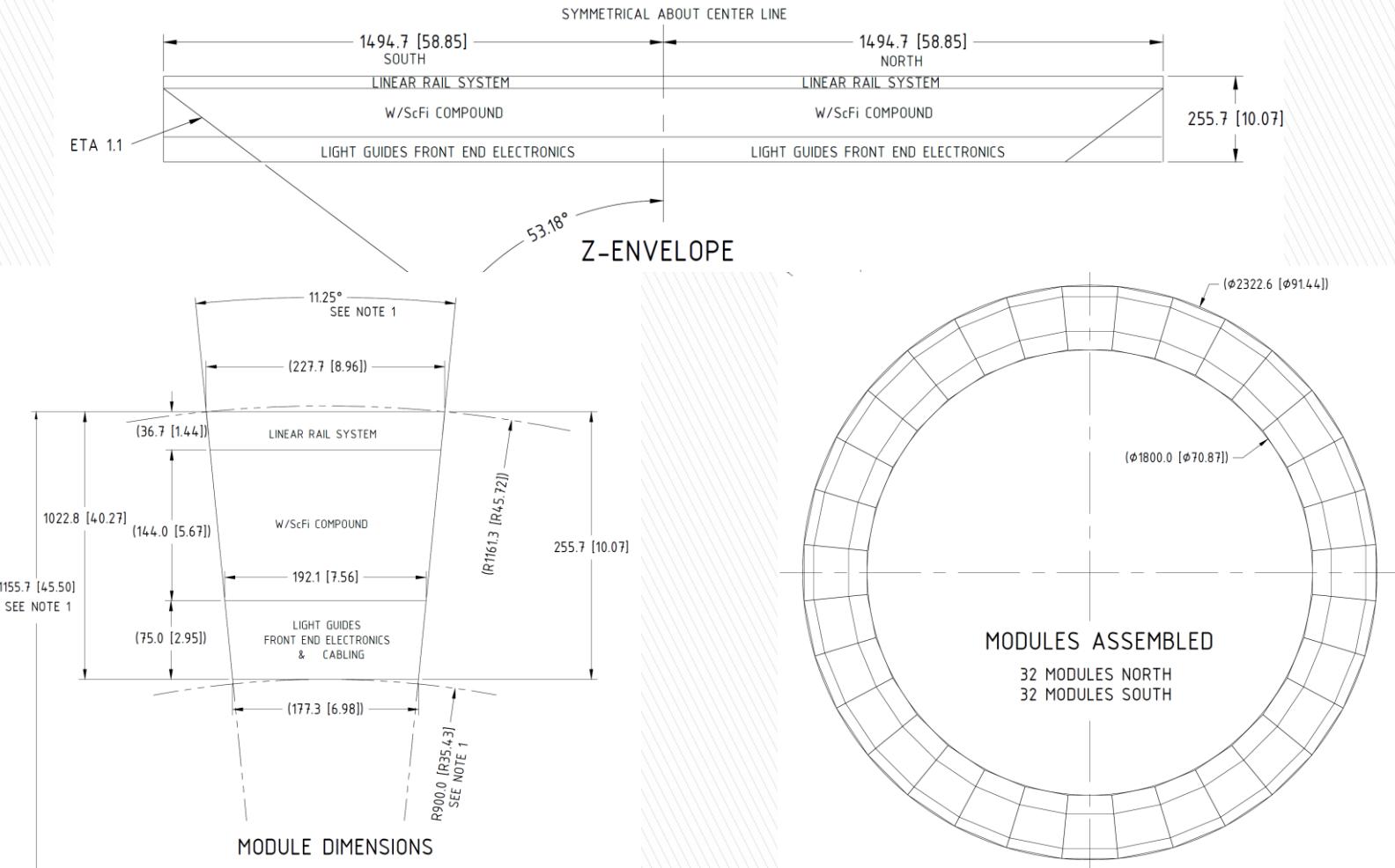


Quick update on new EMCal Layout

Jin Huang (BNL/Physics)

In discussion with Chris Cullen (BNL/CAD), Craig Woody (BNL/Physics)

EMCal profile from Richie, etc.

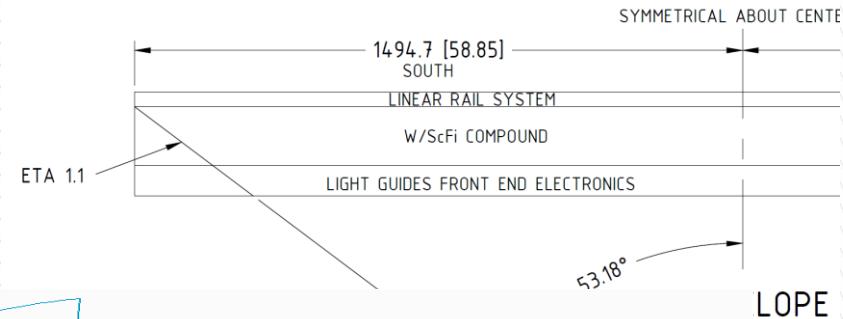
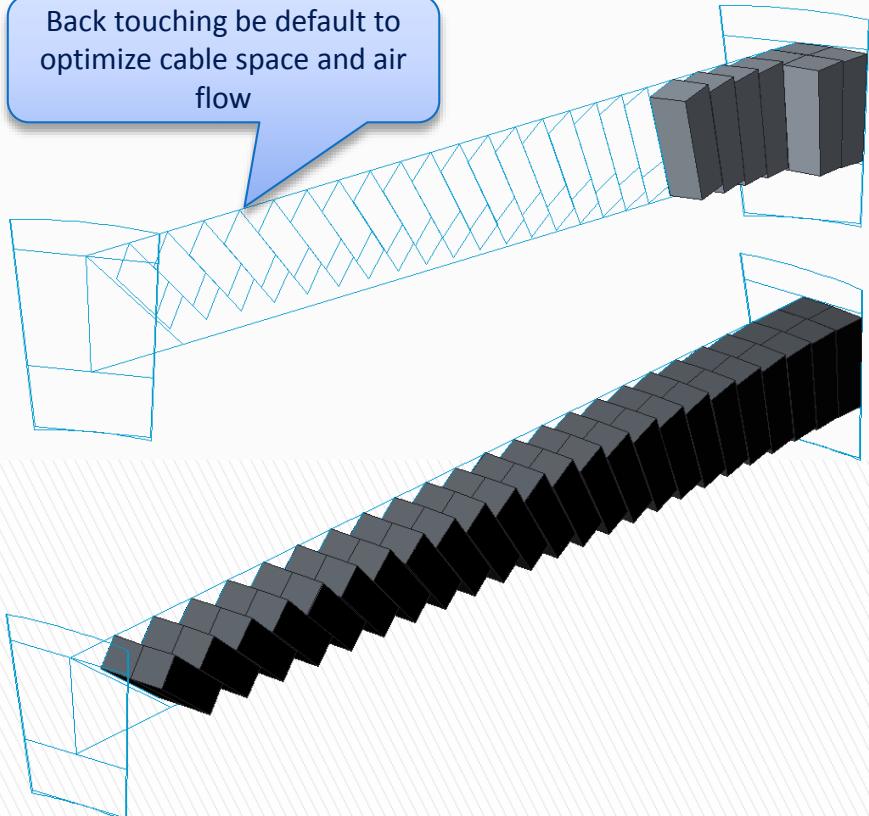


Module dimensions

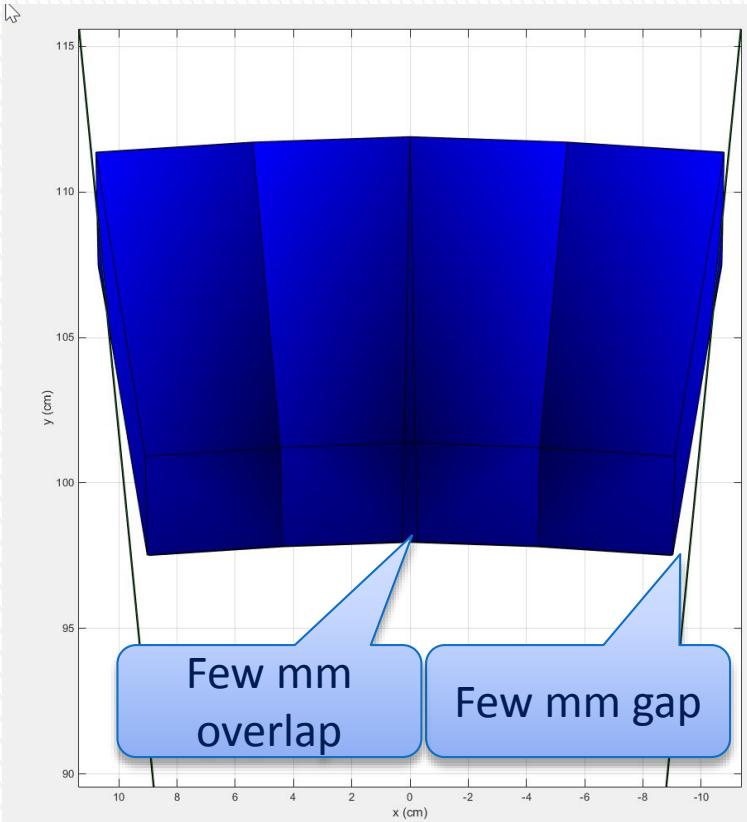
Assembled

Half module layout

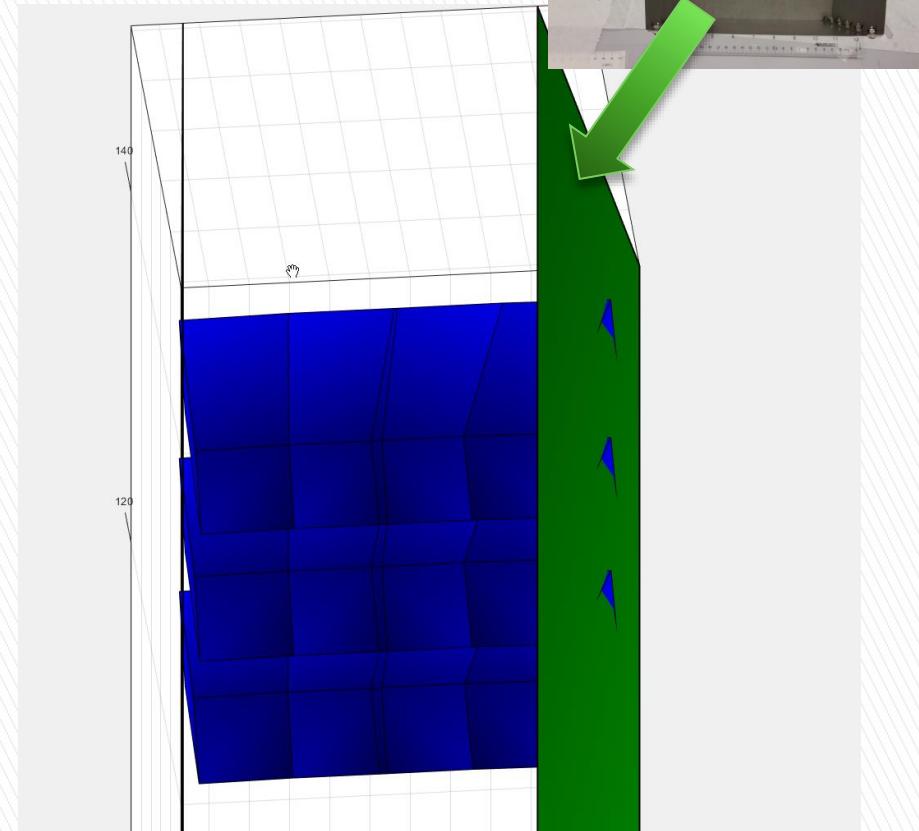
Chris Cullen (BNL/CAD)



However, right now there is a confliction and a gap

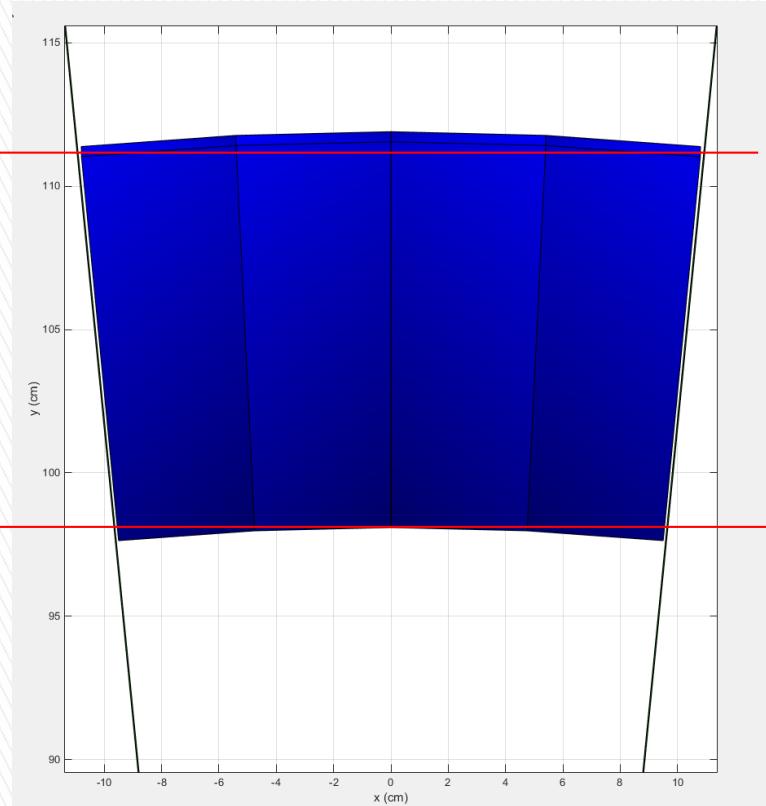


View of the last row of calorimeter long z axis

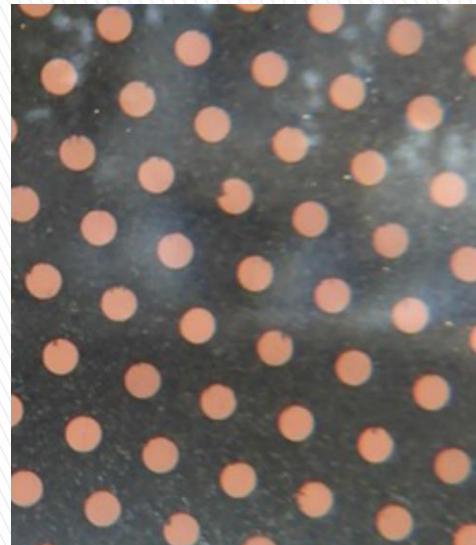


View of the last 3 rows of calorimeter from beam side

A solution

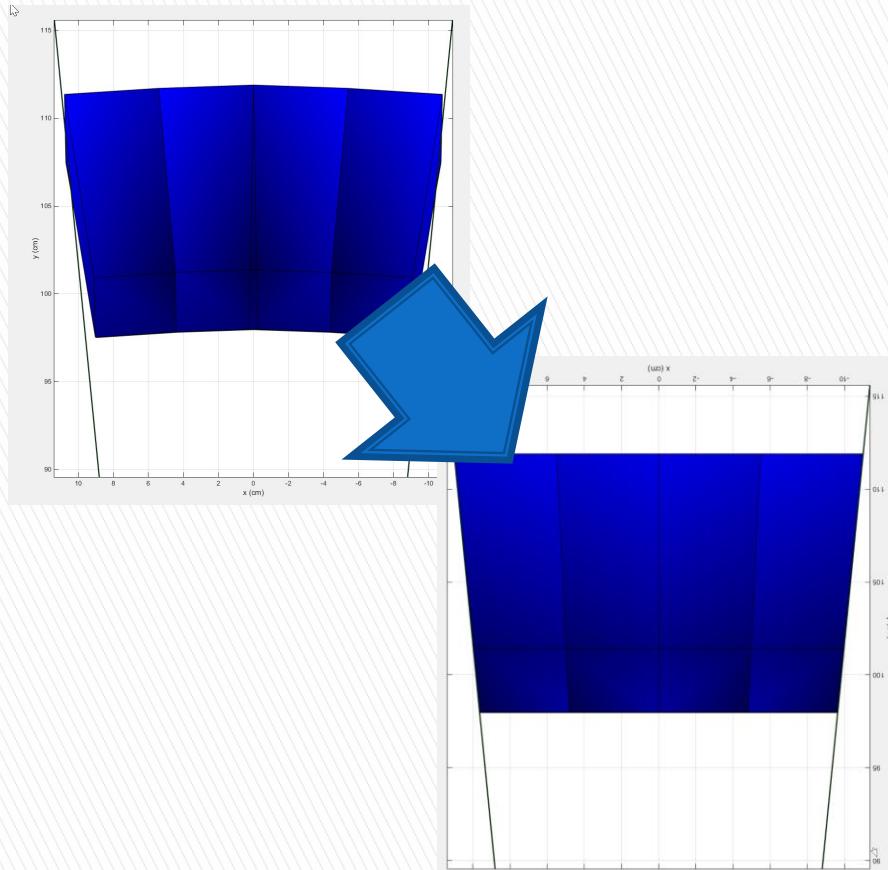


Build blocks to fit and machine
cut top and bottom to flat

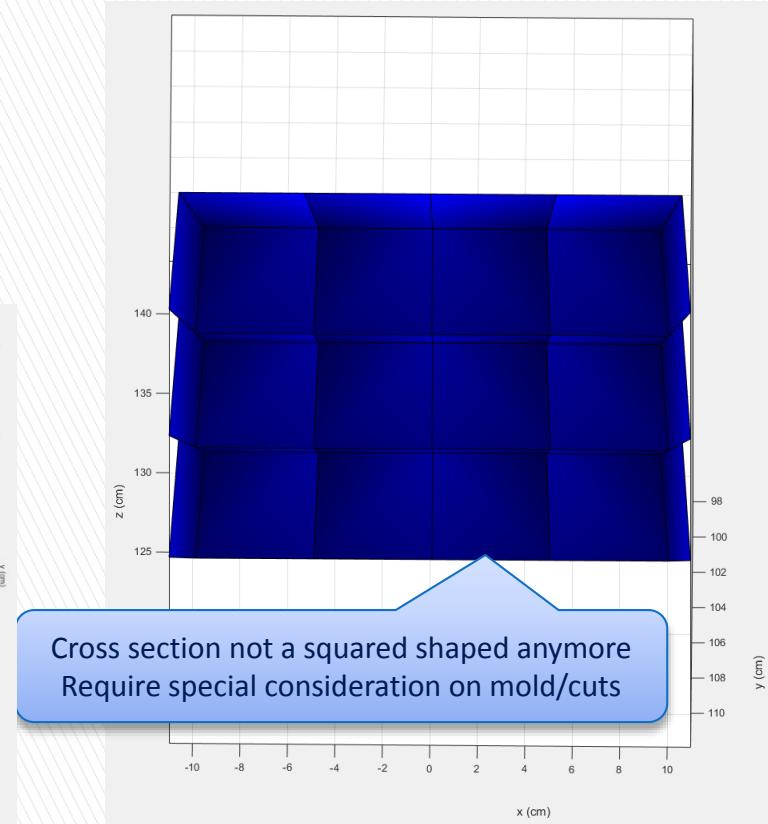


Experimental diamond cut
UIUC group

Last row after the surface cut



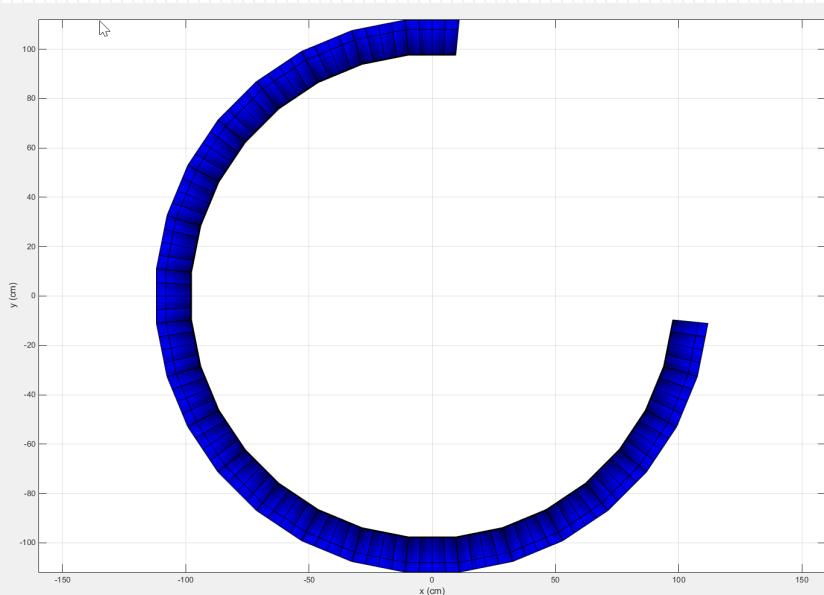
View from end



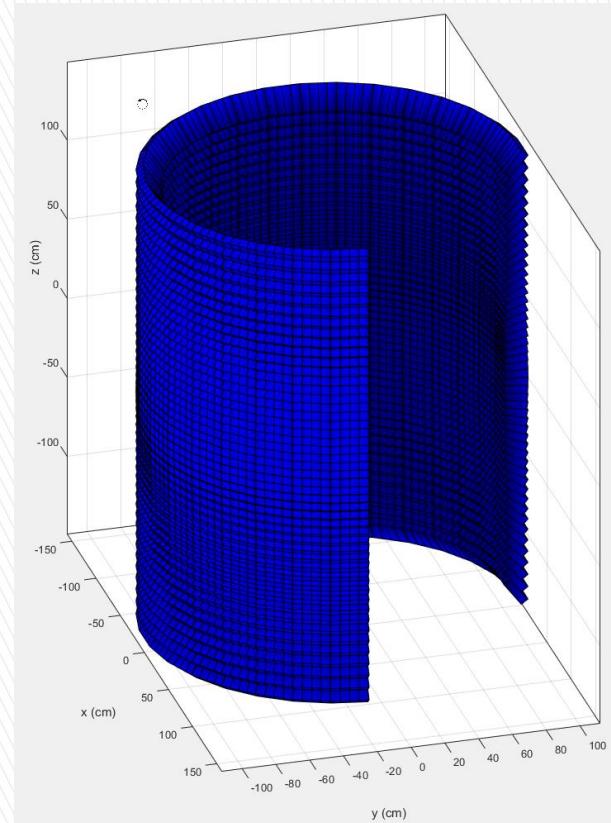
View from beam

Put it all together

- 2D R-Z layout from Chris
- ReGenerated in MatLab
- now ready to export into Geant4



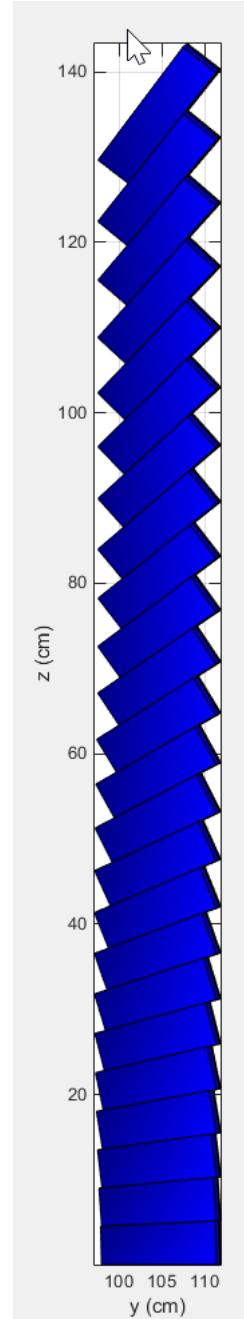
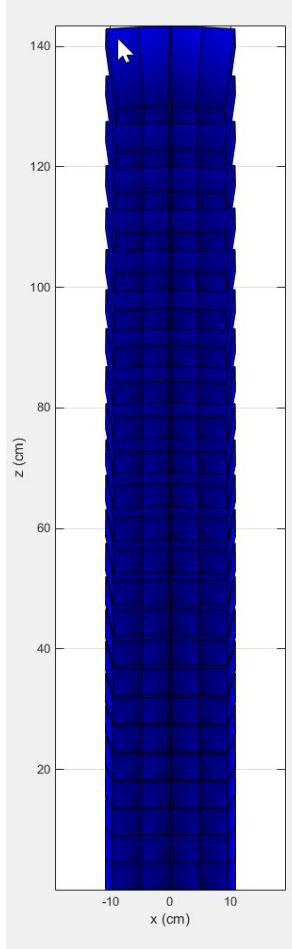
Beam-axis view

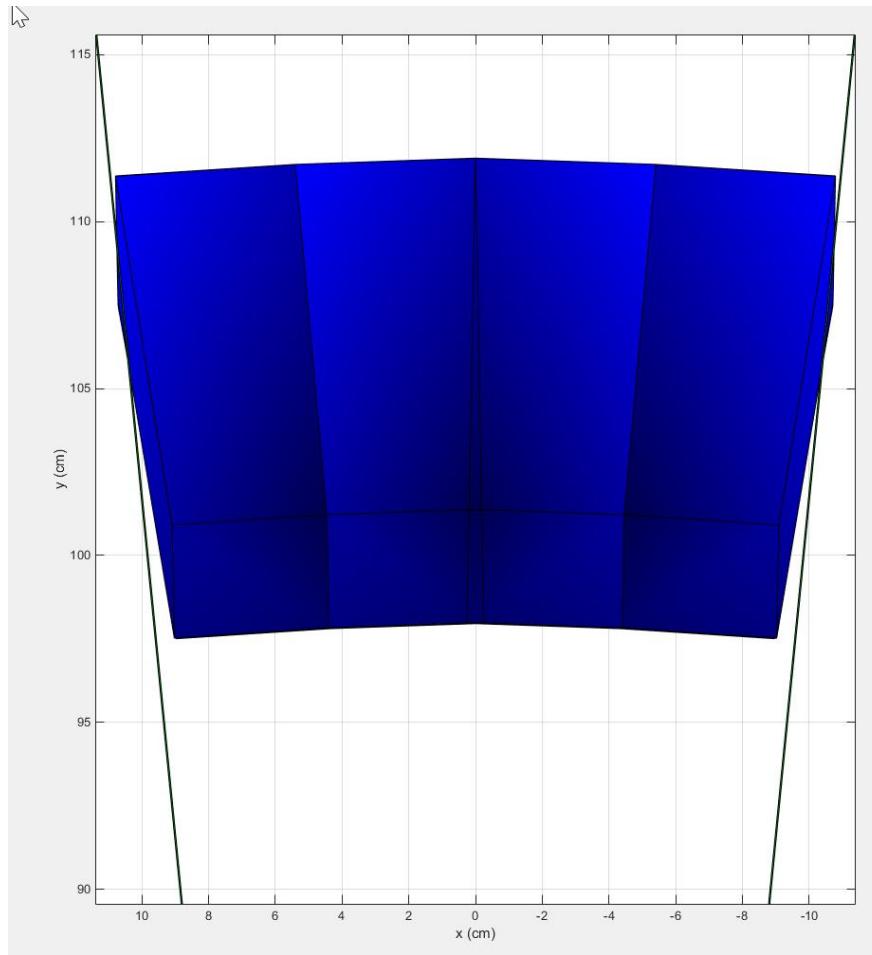


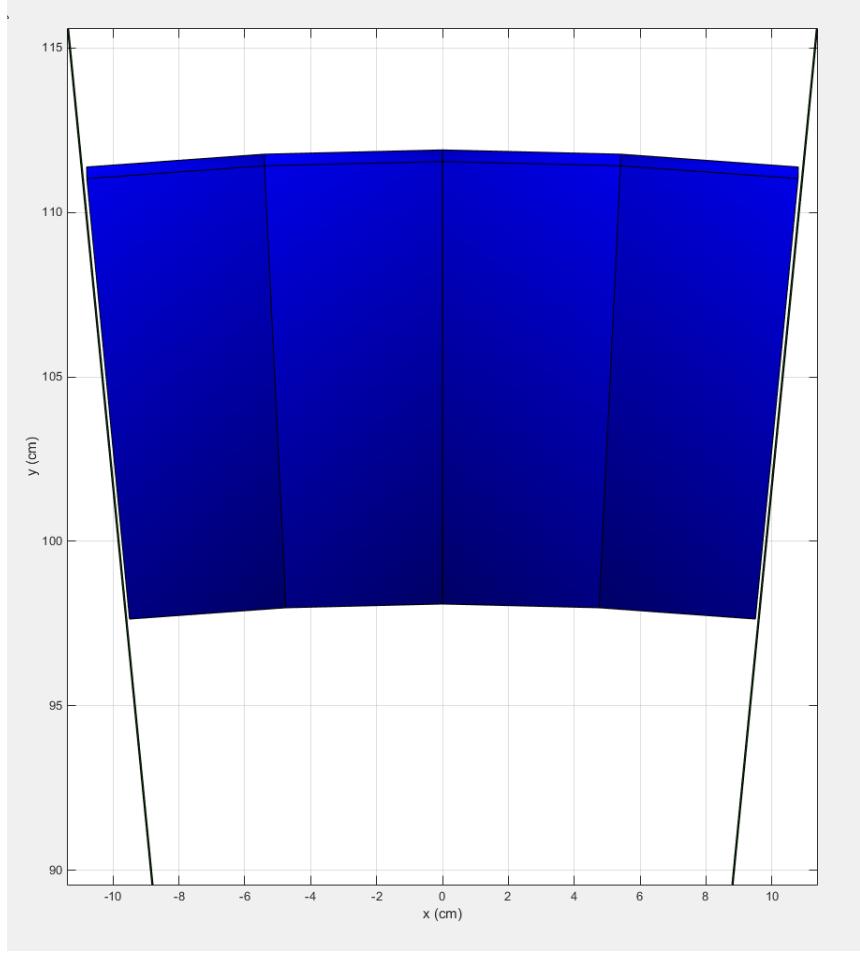
3D view

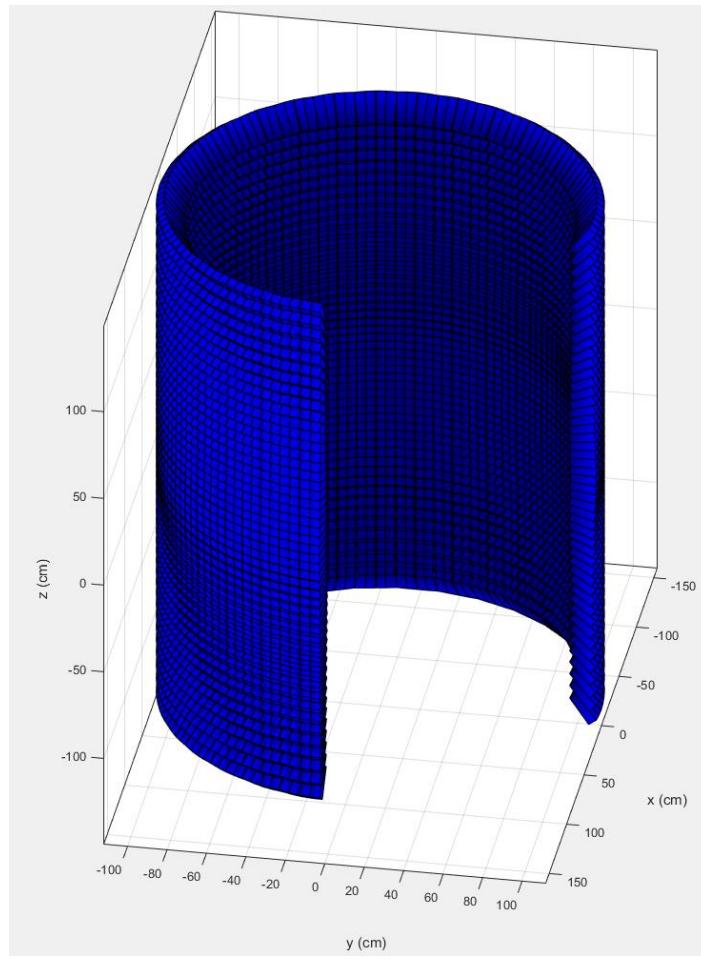
Extra Information

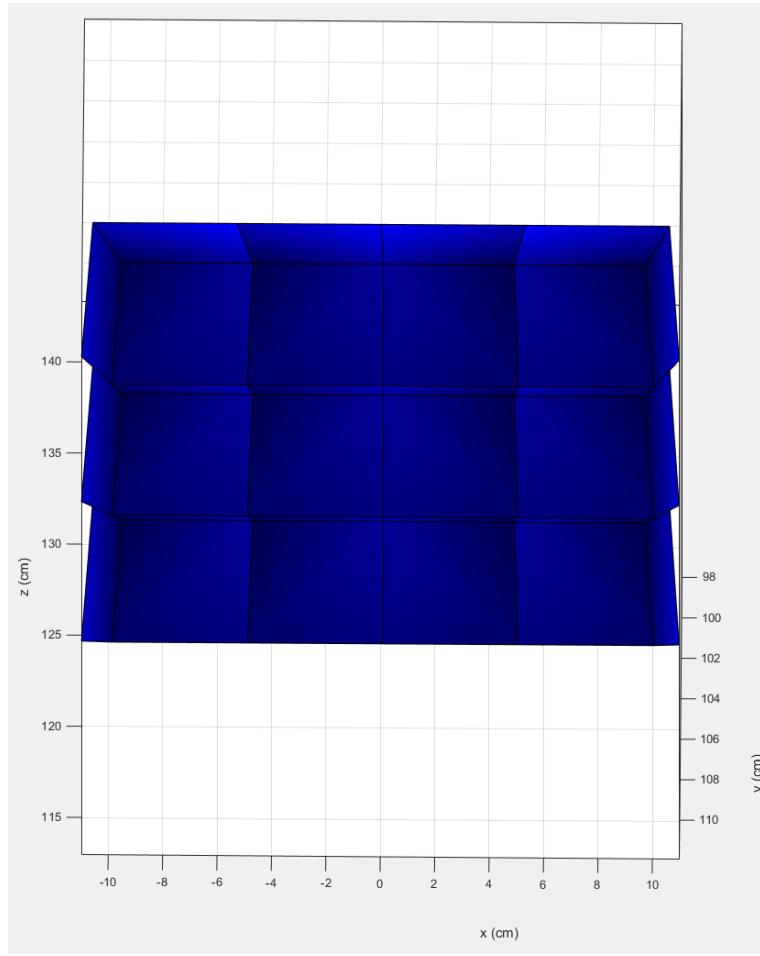


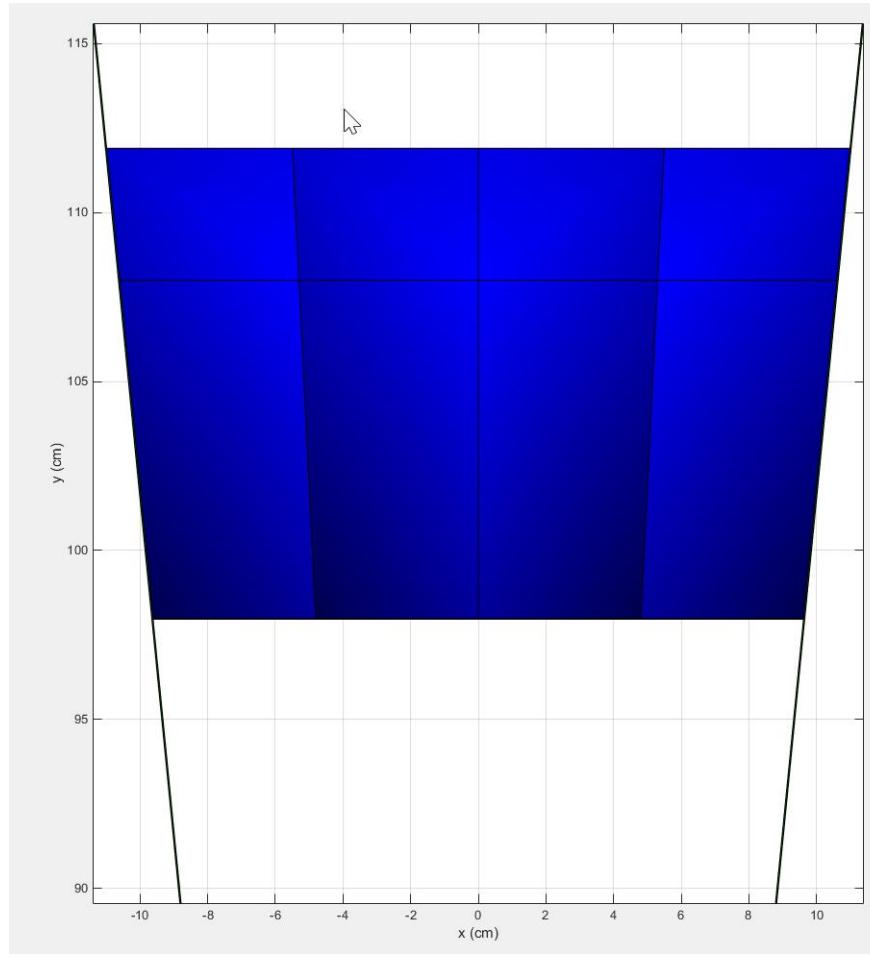


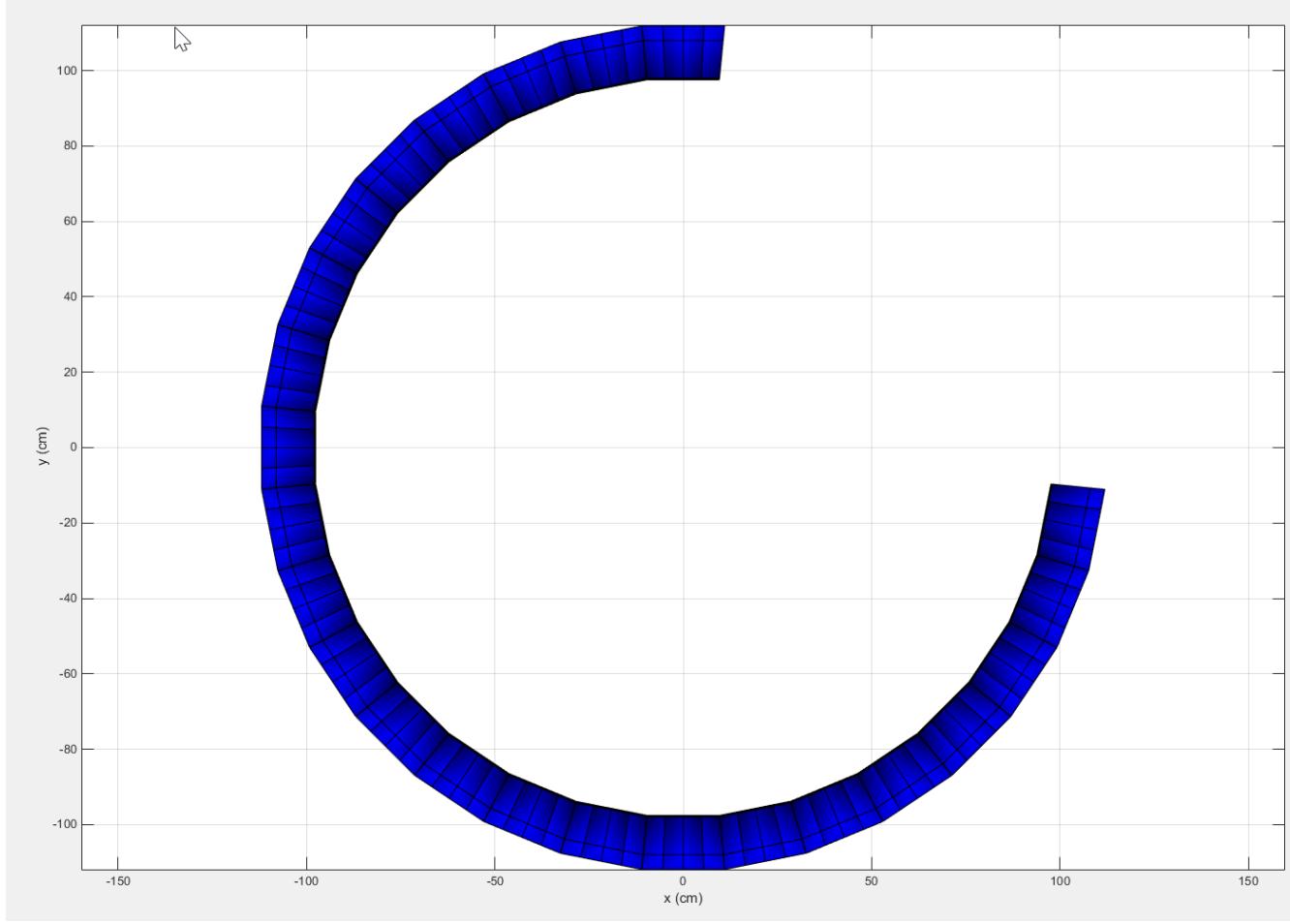


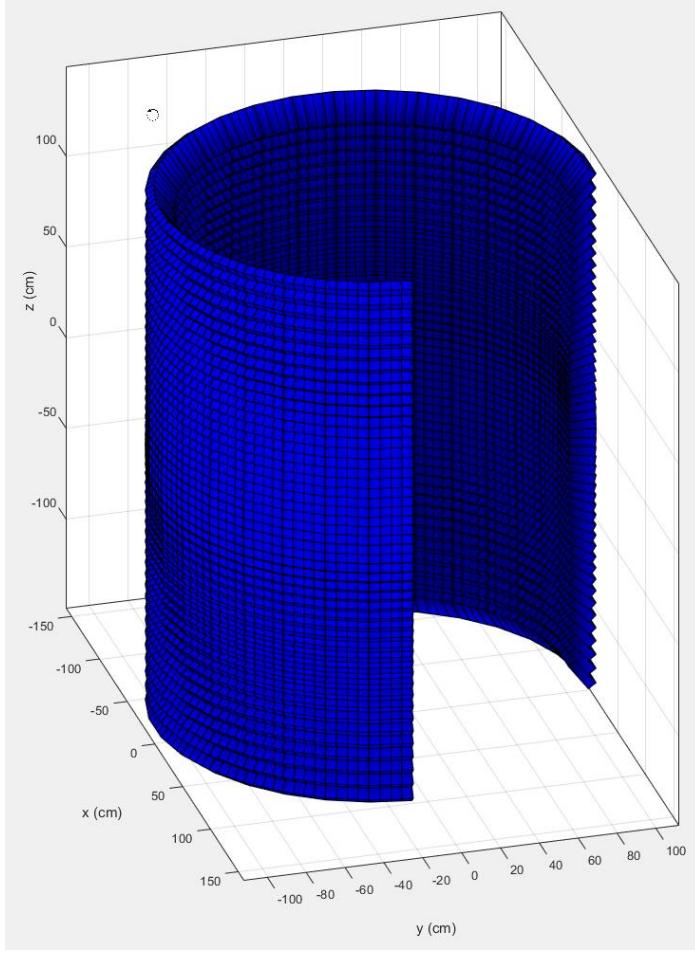


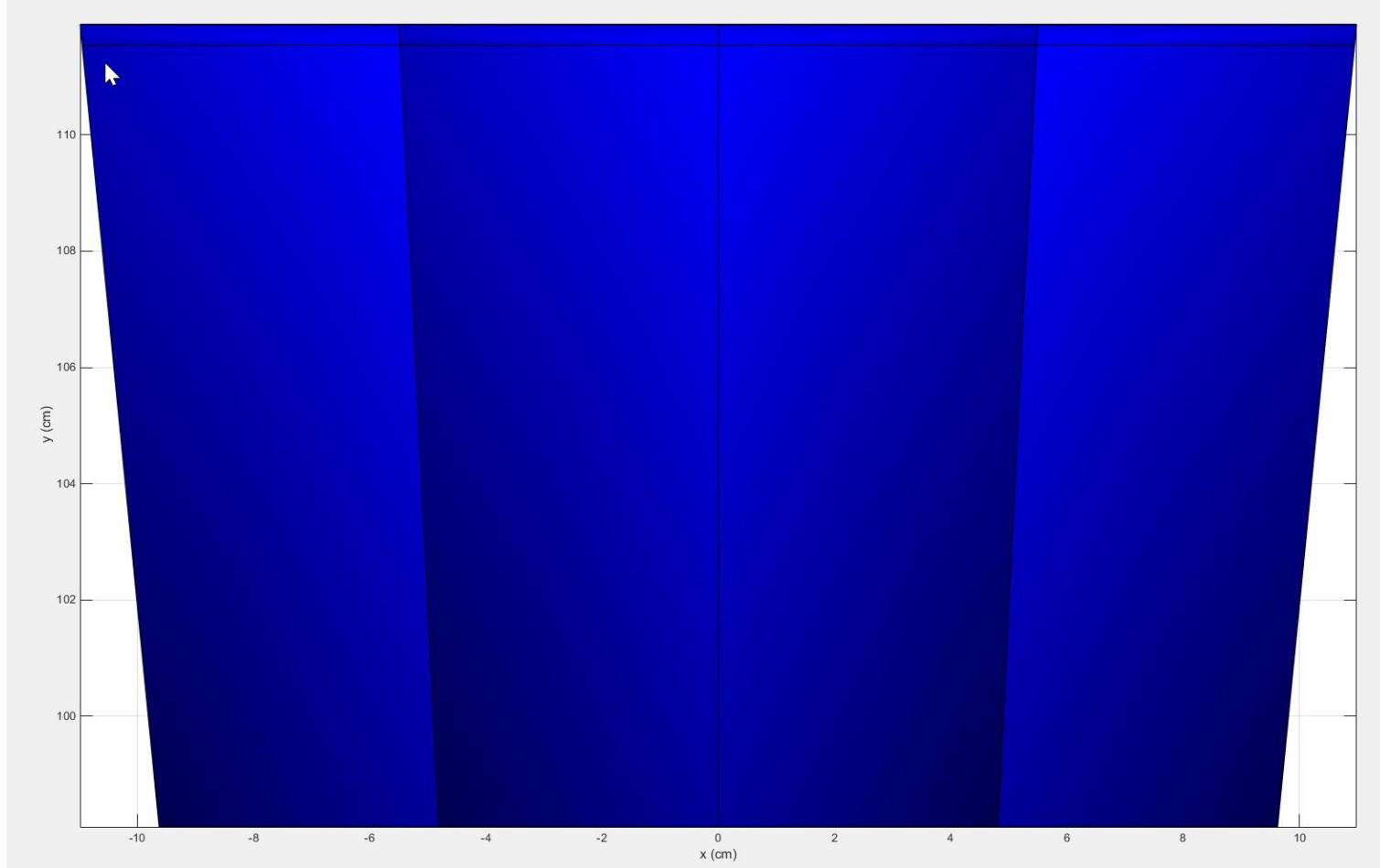












The module enclosure demo

